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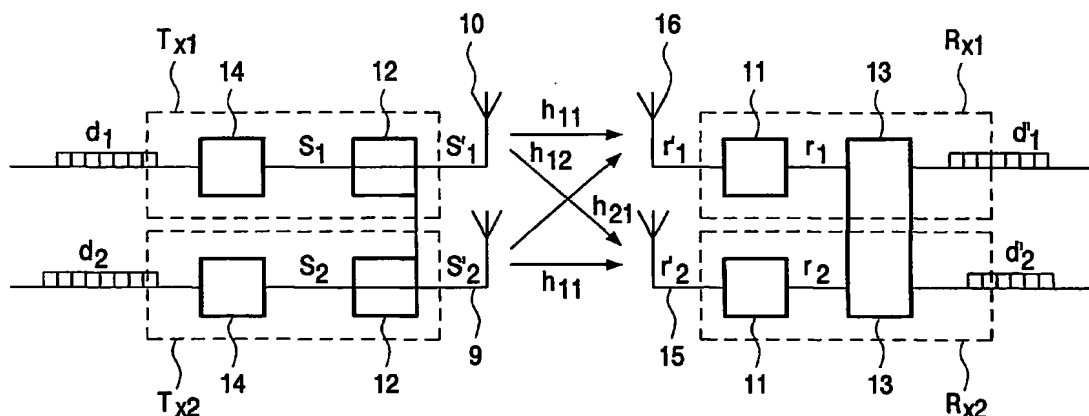
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(54) Title: MIMO TRANSMITTER AND RECEIVER FOR LOW-SCATTERING ENVIRONMENTS



(57) Abstract: A transmitter (Tx1, Tx2) is arranged for simultaneously transmitting at least a first ( $s'_1$ ) and a second ( $S'_2$ ) signal. The first signal ( $s'_1$ ) is modulated according to a first modulation constellation and the second signal ( $s'_2$ ) is modulated according to a second modulation constellation. The transmitter is arranged to pre-code at least the first signal ( $s'_1$ ) through a modification of the first modulation constellation so as to prevent a correlation between the at least first ( $s'_1$ ) and second ( $s'_2$ ) simultaneously transmitted signals.